Project/Site:Blue Lake Campground		C	City/Cou	ınty: Churubus	co/Whitley	Sampling	Date: 9/13/20)11
Applicant/Owner: All American Resor	t I, LLC				State: N	Sampling	Point: 1	
Investigator(s): Scott Matthews (COI	E), Marty Maupin (I	DEM)	Section,	Township, Ra	nge: SE 1/2, Sec 10, TV	VN 32 N, R	ange 10 E	
Landform (hillslope, terrace, etc.): La	ke Frindge			Local relief	(concave, convex, none)	: Area of F	ill - Flat - Origi	inal - co
Slope (%): Lat: 41 14.	570' N	t	ong: 85	5 21.275' W		_ Datum: _		
Soil Map Unit Name: Martisco Muck					NWI classifi	cation: PSS	31C	
Are climatic / hydrologic conditions or	n the site typical for	this time of yea	ır? Yes	X_ No_	(If no, explain in F	Remarks.)		
Are Vegetation, Soil,	or HydrologyX	significantly o	fisturbe	d? Are	'Normal Circumstances"	present?	Yes N	lo <u>X</u>
Are Vegetation, Soil	or Hydrology	naturally prot	olematic	c? (if ne	eded, explain any answ	ers in Rema	arks.)	
SUMMARY OF FINDINGS -	Attach site ma	p showing	samp	ling point k	ocations, transects	s, import	ant feature	s, etc.
Hydrophytic Vegetation Present?	Yes X							
Hydric Soil Present?	Yes X	No	1	s the Sampled		61.0		
Wetland Hydrology Present?	Yes	No		vithin a Wetlar	nd? Yes	NO_		
Remarks:								
Are had been filled approximate	ly 16 inches Deep)						
VEGETATION - Use scientifi	c names of plar					·		
Tree Stratum (Plot size:	١	Absolute % Cover		es? Status	Dominance Test wor			
1					Number of Dominant S That Are OBL, FACW,		1	(A)
2.						-		. 69
3					Total Number of Domi Species Across All Str		1	(8)
4						-		,
5					Percent of Dominant S That Are OBL, FACW,		100.00	(A/B)
Continui Charle Charles (Platains)	,		= Total	Cover	Prevalence Index wo	dahaat.		
Sapling/Shrub Stratum (Plot size: 1.					Total % Cover of:		Multiply by:	
2						0 x 1		_
3.						0 × 2		_
4					The species		= 285	
5					FACU species1	0 x 4	40	_
Herb Stratum (Plot size: 1 Sq m			= Total	Cover			S = 0	
1, Poa Pratensis)	95	Υ	FAC	Column Totals: 1	05 (A)	325	(B)
2, Festuca arundinacea		10	N	FACU	Prevalence Inde	x = B/A = .	3.10	
3.					Hydrophytic Vegetat			
4.					1 - Rapid Test for			
5					× 2 - Dominance Te	st is >50%		
6					3 - Prevalence Inc	¹0.£≥ si xet		
7	·				4 - Morphological data in Remark			
8					Problematic Hydro			-
9					i robicinado rijun	spriyac veg	ctation (Expla	,
10.		405			¹ Indicators of hydric so	oil and wetla	and hydrology	must
Woody Vine Stratum (Plot size:)	105	= Total	Cover	be present, unless dis	turbed or pr	oblematic.	
1					Hydrophytic			
2					Venetation	×		
			= Total	Cover	Present? Yo	PS	No	
Remarks: (Include photo numbers	here or on a separa	ate sheet.)					"	**
Area had been filled and planted	with lawngrase	For represent	tative v	recetation eo	e sampling point 2			
sa naa soon misa ana piameu	awiigiass.	, or represent	V	ogotation, 58	o Jumpiniy point 2.			

SOIL Sarr	pling Point	: <u>1</u>	
------------------	-------------	------------	--

Profile Desc	cription: (Describe	to the de	pth needed to docun	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Texture	Remarks
0-16	10 yr 5/3	100			. ——			Fill Material
16-20	10 yr 2/1	100			_			Muck
20 -	10 yr 5/1	50	10 yr 5/6	50	С	m		Clay
to the second se		es carrieres condenses	Control Tourney Control Control Control Control	Marian China	ور <u>يون د د د د د د د د د د د د د د د د د د د</u>	<u> </u>	Company Committee of the Committee of th	
***************************************		***************************************					CONTRACTOR OF THE PARTY OF THE	en a servició de la la proposa de la companya del companya del companya de la companya del la companya de la co
	<u></u>		خدنداست خداد المحدود والمجاورة والمجاورة والمحادث والمحاد	-	<u></u>		Constitution of the Consti	
		pletion, RN	/i=Reduced Matrix, MS	=Maske	d Sand Gr	ains.		n: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:							for Problematic Hydric Soils ³ :
Histoso	•			-	atrix (S4)			Prairie Redox (A16)
	pipedon (A2) listic (A3)			Redox (S: I Matrix (-			Surface (S7) langanese Masses (F12)
_	en Sulfide (A4)				oo <i>)</i> ineral (F1)			Shallow Dark Surface (TF12)
	d Layers (A5)			-	latrix (F2)			(Explain in Remarks)
X 2 cm M	uck (A10)		X Deplete	d Matrix	(F3)			
	d Below Dark Surfac	ce (A11)		Dark Surf			•	
	ark Surface (A12)				urface (F7)		s of hydrophytic vegetation and
	Mucky Mineral (S1) ucky Peat or Peat (S	:31	Redox L	Depressio	ons (FB)			d hydrology must be present, s disturbed or problematic.
	Layer (if observed)						unes	distribed of problemate.
Type:	24,01 (11 0000.104)	•						
	iches):						Hydric Soil	Present? Yes X No No
Remarks:							.1	
HYDROLO	ngv			·······				
		*						
_	rdrology Indicators		rinade planta all these en	and to the			Canand	de la dinatara (minimum ad hua annipud)
		one is req	uired: check all that ar		/BO)			ary Indicators (minimum of two required)
	Water (A1) ater Table (A2)		Water-Sta Aquatic Fa		• •			face Soil Cracks (B6) inage Patterns (B10)
. —	ion (A3)		True Aqua	•	-			-Season Water Table (C2)
_	Marks (B1)		Hydrogen					ryfish Burrows (C8)
_	ent Deposits (B2)					ing Roots	_	uration Visible on Aerial Imagery (C9)
	eposits (B3)		Presence					nted or Stressed Plants (D1)
Algal M	at or Crust (B4)		Recent Iro	n Reduc	tion in Tille	ed Soils (C6	3) <u>X</u> Ge	omorphic Position (D2)
Iron De	posits (B5)		Thin Muck	Surface	(C7)		FA	C-Neutral Test (D5)
	tion Visible on Aerial			Well Date	a (D9)			
Sparse	ly Vegetated Conca	e Surface	(B8) Other (Exp	olain in R	emarks)			
Field Obse								
Surface Wa		-	No X Depth (in					
Water Table			No X Depth (in					~
Saturation F	Present? apillary fringe)	Yes	No X Depth (in	ches):		Weti	and Hydrolog	y Present? Yes X No
		n gauge, r	nonitoring well, aerial	photos, p	revious in	spections),	if available:	
Remarks:								
2006 & 2007	' aerial photograph	v shows	inundation. Also w	alkwav/i	pier built	over area	to reach lake	
	F 2. ub.	.,			, 			-

Project/Site:Blue Lake Campground			City/County	Churubus	co/Whitley s	ampling Date: 9/13/2011
Applicant/Owner:All American Resort I, L	LC				State: N S	
Investigator(s); Scott Matthews (COE), M		DEM)	Section, To		nge: SE 1/2, Sec 10, TWN	
Landform (hillslope, terrace, etc.): Lake Fi	rindge			-	(concave, convex, none): C	
Slope (%): Let: 41 14.574'					D	
Soil Map Unit Name; Martisco Muck, drai					NWI classificati	
Are climatic / hydrologic conditions on the		this time of ver	ar? Yes			·· ·
Are Vegetation, Soil, or H	= :	_			'Normal Circumstances" pre	
Are Vegetation, Soil, or Hy					eded, explain any answers	
SUMMARY OF FINDINGS - Att				g point l	ocations, transects, i	mportant features, etc.
Hydrophytic Vegetation Present?	Yes_X	No			A DESCRIPTION OF THE PROPERTY	
Hydric Soil Present?	Yes X	No		e Sampled		
Wetland Hydrology Present?	Yes X	No	with	in a Wetlai	nd? Yes X	_ No
Remarks:						
Adjacent to area of fill. Approximate			distrubed I	by fill. On	y using 1/2 of plot	
VEGETATION – Use scientific na	mes of plan	its.				
Tree Stratum (Plot size: 30 ft radius)	Absolute % Cover		Indicator	Dominance Test worksh	eet:
Fraxinus pennsylvanicus	/	40	Species?	FACW	Number of Dominant Specification of Dominant Specification of Dominant Specification of Dominant Specification (Compared Compared	
2. Acer saccharinum		10	Y	FACW	THAT AIR OBL, PACY, O	rac, (A)
3.		artero/AN Companyonessamentos	***************************************		Total Number of Dominan Species Across All Strata:	
4.			207700007070000000000000000000000000000		'	
5.					Percent of Dominant Spec That Are OBL, FACW, or	
15 ft	radiue	50	= Total Co	ver		•
Sapling/Shrub Stratum (Plot size: 15 ft)	40	Υ	FACW	Prevalence Index works	
Salix sp. Cephalanthus occidentalis	·	30	Y	OBL	Total % Cover of: OBL species 44	$\underline{\qquad} \underline{\qquad} \underline{\qquad} \underline{\qquad} \underline{\qquad} \underline{\qquad} \underline{\qquad} \underline{\qquad} $
Traxinus pennsylvanicus		$\frac{-\frac{30}{2}}{2}$	N	FACW	FACW species 142	$x^2 = 284$
	ere ere er ge r fræge ikkenskerskerske		-		FAC species 0	$x_3 = \frac{1}{0}$
4					FACU species 0	x 4 = 0
		72	= Total Co	ver	UPL species 0	x5= 0
Herb Stratum (Piot size: 1 Sq m)				Column Totals: 186	(A) 328 (B)
Phalaris arundinacea	,		<u>Y</u>	FACW		4.70
2. Scirpus fluviatils		10	N	OBL	Prevalence Index =	
3. Iris versicolor		3	N	OBL	Hydrophytic Vegetation	
4. Scirpus atrovirens					X 1 - Rapid Test for Hyd X 2 - Dominance Test is	
5					× 3 - Prevalence Index	
6.					1	aptations¹ (Provide supporting
7						or on a separate sheet)
8					Problematic Hydroph	ytic Vegetation ¹ (Explain)
9 10						
		64	= Total Co	ver	¹ Indicators of hydric soil a be present, unless disturb	end wetland hydrology must bed or problematic.
Woody Vine Stratum (Plot size:						
1				-	Hydrophytic Vegetation	
			= Total Co	var	Present? Yes	No
Remarks: (Include photo numbers here	or on a separa	ite sheet.)	- Tutal CO	¥-01		***
	·	•				

SOIL Sampling Point: 2

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ment the	indicator o	r confirm	the absence of indicators.)
Depth	Matrix	·	Rede	ox Feature	38	-	•
(inches)	Color (moist)	%	Color (moist)	%		Loc ²	Texture Remarks
0-8	10yr 2/1	100					mucky peat
8-16	10yr 5/1	50	10yr 5/6	50			
16 -	Glay 1 5/4	100					Sand
	Oldy 1 O/ 1						

¹Type: C=C	oncentration, D=De	pletion, RM	=Reduced Matrix, M	S=Maske	d Sand Gra	ins.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy	Gleyed M	latrix (S4)		Coast Prairie Redox (A16)
1	pipedon (A2)			Redox (S			Dark Surface (S7)
ı —	istic (A3)			d Matrix (•		Iron-Manganese Masses (F12)
_	en Sulfide (A4) d Layers (A5)				ineral (F1) fatrix (F2)		Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
X 2 cm Mi			X Deplete	-			Other (Explain in Remarks)
, —	d Below Dark Surfa	ce (A11)	 ·	Dark Sur	-		
· — ·	ark Surface (A12)				urface (F7)		³ Indicators of hydrophytic vegetation and
Sandy N	Mucky Mineral (S1)		Redox	Depressi	ons (F8)		wetland hydrology must be present,
	ucky Peat or Peat (8			talana a a a a a a a a a a a a a a a a a			unless disturbed or problematic.
	Layer (if observed) :					
Type:							Hydric Soil Present? Yes X No
Depth (in	ches):						1,7110 0011 100111 110
Remarks:							
						Ψ	
HYDROLO	GY						
Wetland Hy	drology Indicators	:	**************************************		·		
Primary Indi	cators (minimum of	one is requ	ired: check all that a	pply)			Secondary Indicators (minimum of two required)
Surface	Water (A1)		Water-Sta	ained Lea	ves (B9)		Surface Soil Cracks (B6)
High Wa	ater Table (A2)		Aquatic F	auna (B1	3)		Drainage Patterns (B10)
Saturati	on (A3)		True Aqu				Dry-Season Water Table (C2)
_	farks (B1)				Odor (C1)		Crayfish Burrows (C8)
Sedime	nt Deposits (B2)						(C3) Saturation Visible on Aerial Imagery (C9)
1 —	posits (B3)		Presence		· -	-	Stunted or Stressed Plants (D1)
	at or Crust (B4)		Recent Ir			d Soils (C6	· — · · ·
1 —	posits (B5)		Thin Muc				X FAC-Neutral Test (D5)
1—	ion Visible on Aeria						
	y Vegetated Conca	ve Sunace	(B8) Other (E:	kpiain in F	(emarks)		
Field Obser		Vaa	No X Depth (i	nahan):			
1			No X Depth (i			- .	
Water Table							land Hydrology Present? Yes X
Saturation F	resent? pillary fringe)	res	No X Depth (i	ncnes): _		_ Weti	land Hydrology Present? Tes No
		m gauge, n	nonitoring well, aeria	photos, p	previous ins	pections),	if available:
Remarks:							
1							

Project/Site:Blue Lake Campground	***	(City/Co	unty: Churubus	co/Whitley	Sa	mpling E	Date: 9/13/20)11
Applicant/Owner: All American Resort	I, LLC				State: IN				
Investigator(s): Scott Matthews (COE)		IDEM)	Section						
Landform (hillslope, terrace, etc.): Lake				Local relief	-				inal - de
Slope (%): Lat:									
Soil Map Unit Name: Martisco Muck D					NV NV				
Are climatic / hydrologic conditions on	the site typical for	this time of vea	ar? Ye:	s X No	(If no. e:	xplain in Rema	ırks.)		
Are VegetationX, SoilX, o					'Normal Circum			es N	o_X
Are Vegetation, Soil, o					eded, explain a			—	
SUMMARY OF FINDINGS - A					ocations, tr	ansects, in	1porta	nt feature	s, etc.
Hydrophytic Vegetation Present?	Yes X	No				· · · · · · · · · · · · · · · · · · ·			
Hydric Soil Present?	Yes X	No	1	s the Sampled		🗸			
Wetland Hydrology Present? Remarks:	Yes	No X	۱ ا	within a Wetlar	nd?	Yes <u>×</u>	No _		
Area sampled was filled. Vegetat VEGETATION – Use scientific			d area	(sampling pt	4) met hydrop	hytic vegetat	ion		
Ton Charten (Classica)	•	Absolute % Caves		nant Indicator	1	Test workshe			
Tree Stratum (Plot size:				es? Status		ominant Speci L, FACW, or F		1	(A)
2.							~··	TO COMPLIANCE VALUE OF THE PARTY OF THE PART	. (^)
3.					F -	r of Dominant as All Strata:		1	(B)
4					`			<u>.,,</u>	. (-)
5						ominant Specie L, FACW, or F		100.00	(A/B)
			= Total	Cover					
Sapling/Shrub Stratum (Plot size: _						index worksh			
1					OBL species	Cover of: 0	_ <u> </u>	Multiply by: - 0	_
2					FACW species	_	_ x1= _ x2=	^	-
3.					FAC species		- ^		
5			***************************************		FACU specie			0	_
			= Total	Cover	UPL species		 _ x5=		
)				Column Tota	ls: 90	_ (A)	270	(B)
1, Poa Pratensis			<u> </u>	— FAC NI	l .			3.00	
2	· · · · · · · · · · · · · · · · · · ·					ence Index = E			_
3.					1	: Vegetatio n II d Test for Hydr			
4	···				1	nance Test is		vegealion	
5.					ii 	alence Index is			
8			***************************************			hological Adap		(Provide sur	onartina
7						in Remarks or			
8 9					Problem	atic Hydrophyt	ic Vege	tation¹ (Expla	in)
10.									
Woody Vine Stratum (Plot size:		90	= Tota	l Cover		f hydric soil an Inless disturbe			must
1					Hydrophytic				
2.					Vegetation	•			
				l Cover	Present?	Yes		No	
Remarks: (Include photo numbers h	ere or on a separ	ate sheet.)						·	
Area filled. Vegetation was plante	d lawn grass. S	See sampling p	point 4	for represent	ative vegetati	on.			

Profile Desc	cription: (Describe	to the dept	needed to document the indicator	or confirm	the absence of indicators.)	
Depth	Matrix		Redox Features			
(inches)	Color (moist)	%	Color (moist) % Type ¹	_Loc2	Texture Remarks	
0-16		<i>-</i>			Fill	
16 - 20	10 yr 2/1	100			Greasy muck	
20 -	10 yr 5/1	100				
	10 91 3/1				Company of the Compan	
1					2	
Type: C≅C Hydric Soil		pletion, RM=	Reduced Matrix, MS=Masked Sand G	rains.	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :	
•			Canalis Olassa d Mahin (CA)		•	
Histosol	• •		Sandy Gleyed Matrix (S4)		Coast Prairie Redox (A16)	
	pipedon (A2)		Sandy Redox (S5) Stripped Matrix (S6)		Dark Surface (S7) Iron-Manganese Masses (F12)	
_	istic (A3) en Sulfide (A4)		Loamy Mucky Mineral (F1)	.	Very Shallow Dark Surface (TF12)	
	d Lavers (A5)		Loamy Gleyed Matrix (F2)	•	Other (Explain in Remarks)	
X 2 cm Mi			X Depleted Matrix (F3)			
1	d Below Dark Surfa	ce (A11)	Redox Dark Surface (F6)			
. —	ark Surface (A12)		Depleted Dark Surface (F7	")	³ Indicators of hydrophytic vegetation and	
Sandy N	Mucky Mineral (S1)		Redox Depressions (F8)		wetland hydrology must be present,	
5 cm Mi	ucky Peat or Peat (S3)			unless disturbed or problematic.	
Restrictive	Layer (if observed) :				
Туре:						
Depth (in	ches):				Hydric Soil Present? Yes X No	
Remarks:					<u> </u>	
HYDROLC	GY					
Wetland Hy	drology Indicators	3:				
Primary Indi	cators (minimum of	one is requir	ed: check all that apply)		Secondary Indicators (minimum of two re-	quired)
Surface	Water (A1)		Water-Stained Leaves (B9)		Surface Soil Cracks (B6)	
	ater Table (A2)		Aquatic Fauna (B13)		Drainage Patterns (B10)	
1 -	ion (A3)		True Aquatic Plants (B14)		Dry-Season Water Table (C2)	
1 —	Marks (B1)		Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
	nt Deposits (B2)		Oxidized Rhizospheres on Li	ving Roots ((C9)
1	posits (B3)		Presence of Reduced Iron (C		Stunted or Stressed Plants (D1)	
	at or Crust (B4)		Recent Iron Reduction in Till	· -	<u> </u>	
	posits (B5)		Thin Muck Surface (C7)		FAC-Neutral Test (D5)	
	ion Visible on Aeria	I Imagery (B7				
	y Vegetated Conca					
Field Obse						
		Vac N	lo X Depth (inches):			
Water Table			to X Depth (inches):			
1					and Hadrat on Barra (B. War	×
Saturation F	resent? pillary fringe)	Yes 1	No X Depth (inches):	Wetia	and Hydrology Present? Yes No	
		m gauge, mo	nitoring well, aerial photos, previous ir	spections),	if available:	
				·		
Remarks:						
Hyrdology i	ndicators were no	t present at	the site due to the site being prev	ously impa	acted.	

Project/Site:Blue Lake Campground		(City/County	: Churubus	sco/Whitley Sa	mpling Date:	9/13/2011
Applicant/Owner: All American Resort	I, LLC					mpling Point:	4
Investigator(s): Scott Matthews (COE)	, Marty Maupin (I	IDEM)	Section, To	wnship, Ra	nge: SE 1/2, Sec 10, TWN 3	2 N, Range 1	0 E
Landform (hillslope, terrace, etc.): Lake	e Frindge	- Marine III - I		Local relief	(concave, convex, none): Are	a of Fill - Fla	ıt - Original - co
Slope (%): Lat: 41 14.6	26' N		Long: <u>85</u> 2	1.351! W	Da	tum:	
Soil Map Unit Name: Martisco Muck	and the second second control of the second		AND THE REAL PROPERTY OF THE PARTY OF THE PA		NWI classification	n: PSS1C	
Are climatic / hydrologic conditions on	the site typical for	this time of yea	ar? Yes	X No_	(If no, explain in Rema	irks.)	
Are Vegetation, Soil, o					"Normal Circumstances" pres		X No
Are Vegetation, Soil,					eeded, explain any answers in		
SUMMARY OF FINDINGS - /				ıg point k	ocations, transects, in	portant fe	etures, etc.
Hydrophytic Vegetation Present?	Yes X	No					<u> </u>
Hydric Soil Present?	Yes X	No	1	ne Sampled			
Wetland Hydrology Present? Remarks:	Yes X	No	with	nin a Wetlar	nd? Yes <u>×</u>	No	
VEGETATION – Use scientific	names of plar	ıts.					
		Absolute		Indicator	Dominance Test workshe	et:	
Tree Stratum (Plot size:)	<u>% Cover</u> 75	Species?	Status FACW	Number of Dominant Speci		5
Acer saccharinum Fraxinus pennsylvanica		25	<u> </u>	FACW	That Are OBL, FACW, or F.	AC:	(A)
	- Carrier State Control of the Contr		-		Total Number of Dominant	,	5 (2)
3					Species Across All Strata:		(B)
5.					Percent of Dominant Specia		0.00
J		100	= Total Co	· ····································	That Are OBL, FACW, or F.	AC:	(A/B)
Sapling/Shrub Stratum (Plot size:)		- 1010100		Prevalence Index worksh	eet:	
1, Acer saccharinum		60	Y	FACW	Total % Cover of:	<u>Multio</u>	
2. Cephalanthus occidentalus		30	Y	FACW	OBL species 95	_ x1=	95
3.	Michael Congress of the Congre	discussion that the same state of the same state	Manager of the Park State Stat	-	FACW species 190	_ ×2=	380
4.	NUMBER OF THE PROPERTY OF THE PARTY OF THE P				FACIl species 0	_ ×3=	0
5				·	THOU species	_ ×4=	0
Herb Stratum (Plot size: 1 Sq m)	90	= Total Co	ver		_ ×5=	477
1, Carex lupulina		80	Υ	OBL	Column Totals: 285	_ (A)	4/5 (B)
2, Lycopus americanus		10	N	OBL	Prevalence Index = 8	3/A =1	1.67
3. Iris versicolor		5	N	OBL	Hydrophytic Vegetation I	ndicators:	-
4					X 1 - Rapid Test for Hydi		tation
5			****		X 2 - Dominance Test is		
6					X 3 - Prevalence Index is		
7					4 - Morphological Adaptor data in Remarks or	on a separate	vide supporting
8					Problematic Hydrophyt	-	•
9						regetation	(Explair)
10					¹ Indicators of hydric soil an	d wetland hvo	drology must
Woody Vine Stratum (Plot size:	Υ.	95	= Total Co	over	be present, unless disturbe		
1					Hydrophytic	Particular de la constitución de	
2.					Vecetation	~	
	***************************************		= Total Co	ver	Present? Yes	No_	PANAMOREO (Julia propie
Remarks: (Include photo numbers h	ere or on a separa						

US Army Corps of Engineers Midwest Region – Version 2.0

								Sampling Point: 4
Profile Desc	cription: (Describe	to the de	pth needed to docu	ment the	indicator	or confirm	the absence	of Indicators.)
Depth	Matrix		Redo	x Featur				
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc²	Texture	Remarks
0-4	10yr 2/1							mucky peat
4-24	10yr 7/1	50	10yr 5/6	50	С	<u>m</u>		
*								
		pletion, Ri	M=Reduced Matrix, M	S=Mask	ed Sand Gi	ains.		n: PL=Pore Lining, M=Matrix.
•	Indicators:							for Problematic Hydric Soils ³ :
Histosol					latrix (S4)		_	Prairie Redox (A16)
	pipedon (A2) istic (A3)			Redox (S d Matrix	•		_	Surface (S7) fanganese Masses (F12)
	en Sulfide (A4)				lineral (F1)			Shallow Dark Surface (TF12)
	d Layers (A5)			-	Aatrix (F2)			(Explain in Remarks)
X 2 cm Mu	uck (A10)		X Deplete	ed Matrix	(F3)			
	d Below Dark Surfa	ce (A11)			face (F6)		3	
_	ark Surface (A12)			ed Dark 8 Depressi	Surface (F7)		s of hydrophytic vegetation and identification and
	Mucky Mineral (S1) ucky Peat or Peat (8	33)	Kedox	Depressi	ons (ro)			d hydrology must be present, disturbed or problematic.
	Layer (if observed							oldinod of problemane.
KASTOCTIVĀ							1	
	•	-						
Туре:		-					Hydric Soi	Present? Yes X No
Туре:	•	-					Hydric Soi	I Present? Yes X No
Type: Depth (in		-					Hydric Soi	I Present? Yes X No
Type: Depth (in Remarks:	ches):	-					Hydric Soi	I Present? Yes X No
Type:	ches):						Hydric Soi	I Present? Yes X No
Type:	oches): DGY drology Indicators	::	uired; check all that a	ppły)				I Present? Yes X No
Type:	oches): DGY drology Indicators	::			ves (B9)		Second	
Type:	OGY redrology Indicators	::	uired: check all that a	ained Lea			SecondSui	ary Indicators (minimum of two requi
Type:	oches):	::	uired: check all that a Water-Sta	ained Lea auna (B1	3)		Second Sur	ary Indicators (minimum of two requi
Type:	oches):	::	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger	ained Lea auna (B1 atic Plant Sulfide (3) s (B14) Odor (C1)		Second Sur Dra Dra Cra	ary Indicators (minimum of two requi face Soil Cracks (B6) tinage Patterns (B10)
Type:	oches):	::	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger Oxidized	ained Lea auna (B1 atic Plant Sulfide (Rhizosph	3) s (B14) Odor (C1) ieres on Lit	ving Roots	Second Sur Dra Dra Cra	ary Indicators (minimum of two requi face Soil Cracks (B6) iinage Patterns (B10) r-Season Water Table (C2)
Type:	oches):	::	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Redu	3) is (B14) Odor (C1) ieres an Lir ced Iron (C	4)	Second Sui Dry Cra Cra (C3) Sai Stu	ary Indicators (minimum of two requiface Soil Cracks (B6) iinage Patterns (B10) r-Season Water Table (C2) ryfish Burrows (C8) turation Visible on Aerial Imagery (C8) nted or Stressed Plants (D1)
Type:	oches):	::	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent In	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc	3) s (B14) Odor (C1) teres an Lir ced Iron (C	-	Second Sul Dra Cra Cra (C3) Sal Stu	ary Indicators (minimum of two requiface Soil Cracks (B6) iinage Patterns (B10) r-Season Water Table (C2) iyfish Burrows (C8) turation Visible on Aerial Imagery (C3) inted or Stressed Plants (D1) omorphic Position (D2)
Type:	oches):	one is req	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent In	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc k Surface	3) s (B14) Odor (C1) seres on Lir ced Iron (C ction in Tills s (C7)	4)	Second Sul Dra Cra Cra (C3) Sal Stu	ary Indicators (minimum of two requiface Soil Cracks (B6) iinage Patterns (B10) r-Season Water Table (C2) ryfish Burrows (C8) turation Visible on Aerial Imagery (C8) nted or Stressed Plants (D1)
Type:	oches):	one is req	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc k Surface Well Dat	3) Is (B14) Odor (C1) Ieres on Linced Iron (C otion in Tille Is (C7) Is (D9)	4)	Second Sul Dra Cra Cra (C3) Sal Stu	ary Indicators (minimum of two requiface Soil Cracks (B6) iinage Patterns (B10) r-Season Water Table (C2) iyfish Burrows (C8) turation Visible on Aerial Imagery (C3) inted or Stressed Plants (D1) omorphic Position (D2)
Type:	ordes):	one is req	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc k Surface Well Dat	3) Is (B14) Odor (C1) Ieres on Linced Iron (C otion in Tille Is (C7) Is (D9)	4)	Second Sul Dra Cra Cra (C3) Sal Stu	ary Indicators (minimum of two requiface Soil Cracks (B6) iinage Patterns (B10) r-Season Water Table (C2) iyfish Burrows (C8) turation Visible on Aerial Imagery (C3) inted or Stressed Plants (D1) omorphic Position (D2)
Type:	drology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial by Vegetated Concar reations:	one is req	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc (B7) Gauge or e (B8) Other (Ex	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc k Surface Well Dat plain in F	3) s (B14) Odor (C1) teres on Lir ced Iron (C tion in Tille (C7) a (D9) Remarks)	4) ed Soils (Co	Second Sul Dra Cra Cra (C3) Sal Stu	ary Indicators (minimum of two requiface Soil Cracks (B6) iinage Patterns (B10) r-Season Water Table (C2) iyfish Burrows (C8) turation Visible on Aerial Imagery (C3) inted or Stressed Plants (D1) omorphic Position (D2)
Type:	drology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial by Vegetated Concar rvations: ter Present?	:: one is req I Imagery (ve Surface	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc (B7) Gauge or (B8) Other (Ex	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc k Surface Well Dat plain in F	3) s (B14) Odor (C1) teres on Lit ced Iron (C tion in Tille (C7) a (D9) Remarks)	4) ed Soils (Co	Second Sul Dra Cra Cra (C3) Sal Stu	ary Indicators (minimum of two requiface Soil Cracks (B6) iinage Patterns (B10) r-Season Water Table (C2) iyfish Burrows (C8) turation Visible on Aerial Imagery (C3) inted or Stressed Plants (D1) omorphic Position (D2)
Type:	oches):	I Imagery (ve Surface Yes	uired: check all that a Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc (B7) Gauge or e (B8) Other (Ex	ained Lea auna (B1 atic Plant Sulfide Rhizosph of Reduc on Reduc k Surface Well Dar plain in f	3) s (B14) Odor (C1) heres on Linced Iron (C stion in Tille (C7) ha (D9) Remarks)	4) ed Soils (Ce	Second	ary Indicators (minimum of two requiface Soil Cracks (B6) iinage Patterns (B10) r-Season Water Table (C2) iyfish Burrows (C8) turation Visible on Aerial Imagery (C3) inted or Stressed Plants (D1) omorphic Position (D2)

Remarks: